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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,547	07/02/2003	Peter Imgrut	16450	3602
50659	7590	07/11/2005	EXAMINER	
BUTZEL LONG DOCKETING DEPARTMENT 100 BLOOMFIELD HILLS PARKWAY SUITE 200 BLOOMFIELD HILLS, MI 48304			LE, HUNG CHARLIE	
			ART UNIT	PAPER NUMBER
			3725	

DATE MAILED: 07/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

SP

<b>Office Action Summary</b>	<b>Application No.</b> 10/612,547	<b>Applicant(s)</b> IMGRUT ET AL.	
	<b>Examiner</b> Hung C. Le	<b>Art Unit</b> 3725	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 0/02/2003.
- 2a) ☐ This action is **FINAL**.
- 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 - 12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 - 12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some    \* c) ☐ None of:
  - 1. ☒ Certified copies of the priority documents have been received.
  - 2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>09/02/2003</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Specification***

The disclosure is objected to because of the following informalities:

On Page 3, Line 4: "Figs. 7 are perspective vies and Fig. 9 is ...."

Should be: "Figs 7 and 8 are perspective views and Fig. 9 is ...."

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 - 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Inoue et al. (5,706,570, 01/13/1998) as applied to claims 1 - 12 above, and further in view of Duddy et al. (4,784,262, 11/15/1988).

With regards to Claims 1 – 12:

Inoue et al. disclose: A terminal crimping machine assembly for a side feed terminal chain composed of terminals connected at a pre-determined pitch through coupling pieces on one side of a carrier strip, comprising:

A mounting block (lower tool, 20) provided with a base plate (21);  
an anvil (33) provided on anvil mounting stand on the base plate;  
a ram assembly (upper tool, 25) arranged vertically movably above said anvil and provided with a crimper (32) on its front surface;  
a terminal feed portion (37) for intermittently feeding said side feed terminal chain, located beside said ram assembly;  
an anvil rotating means (60) for reciprocatively rotating said anvil mounting stand between a terminal crimping position below said ram assembly and a terminal delivery position at the tip of said terminal feed portion; and  
a cut/separation means (68), located above said terminal delivery position, for separating an individual terminal from said side feed terminal chain intermittently fed. (See Col 6, Lines 49 – 67)

Duddy et al. teach: A cassette (12) for loose-piece parts, such as electrical terminals (3), comprising a housing (14) having a storage chamber (22), a feeding portion (32), and a discharge station (38). The parts are mounted in spaced-apart relationship in individual cells (10) of a belt (2) which is wound in a coil in the storage chamber (22). A confined passageway (56) extends from the storage chamber (22) to the feeding portion (32) to guide the belt (2) into the feeding portion where it is engaged by a feeding means on a machine, such as a crimping machine, when the cassette (12) is mounted on the machine. The parts are removed from the cells (10) at a discharge station (38) which may be in the

feeding portion (32) of the cassette (12).

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the crimping press of Inoue et al. with the cassette assembly, as taught by Duddy et al., for storing and enabling dispensing of loose -piece parts to facilitate the function of apparatus requiring the parts to perform a work step.

### ***Conclusion***

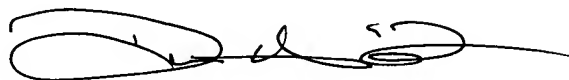
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung C. Le whose telephone number is 571-272-8757. The examiner can normally be reached on M-F: 08:00am - 05:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached on 571-272-4419. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair>

Art Unit: 3725

-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HCL  
07/05/05

A handwritten signature in black ink, appearing to read 'D. Banks', with a stylized flourish at the end.

**DERRIS H. BANKS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700**